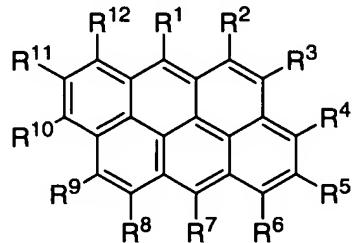


1. An organic EL device, comprising an anode and a cathode, and at least one  
5 organic luminescent layer comprising a compound of the formula:



positioned between said anode and said cathode, and wherein:

10 R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup> and R<sup>12</sup> are individual substituents, each  
15 substituent is an individual group selected from the group consisting of hydrogen, halogens, and groups that contain 1 to 48 carbon atoms, and at least one group is not hydrogen.

2. The compound of the claim 1, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup> and R<sup>12</sup> can be the individually group consisting of hydrogen, or alkyl of from 1 to 48 carbon atoms, and R<sub>2</sub> and R<sub>3</sub>, R<sub>5</sub> and R<sub>6</sub>, R<sub>8</sub> and R<sub>9</sub>, R<sub>11</sub> and R<sub>12</sub> can connect to form 5 or 6 member ring system.

3. The compound of the claim 1, wherein  $R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}$  and  $R^{12}$  can be the individually group consisting of aryl or substituted aryl of from 5 to 48 carbon atoms, or 4 to 48 carbon atoms necessary to complete a fused aromatic ring of naphthenyl, anthracenyl, pyrenyl, or perylenyl;

5 4. The compound of the claim 1, wherein  $R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}$  and  $R^{12}$  can be the individually group consisting of heteroaryl or substituted heteroaryl of from 5 to 24 carbon atoms, or 4 to 48 carbon atoms necessary to complete a fused heteroaromatic ring of furyl, thienyl, pyridyl, quinolinyl and other heterocyclic systems;

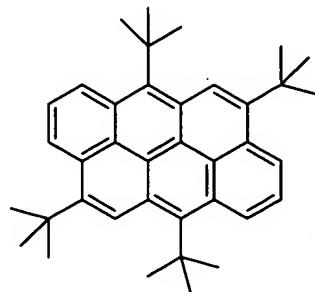
5. The compound of the claim 1, wherein  $R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}$  and  $R^{12}$  can be the individually group consisting of alkoxy, amino, alkyl amino, aryl amino dialkyl amino, or diaryl amino of from 1 to 24 carbon atoms;

10 6. The compound of the claim 1, wherein  $R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}$  and  $R^{12}$  can be the individually group consisting of F, Cl, Br, I, CN, NCS, NCO, B(OH)<sub>2</sub>, B(OCH<sub>2</sub>CH<sub>2</sub>O), B[OC(CH<sub>3</sub>)<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>O], SO<sub>2</sub>R<sup>13</sup>, SO<sub>3</sub>R<sup>14</sup>, SO<sub>2</sub>NR<sub>2</sub>, SiR<sub>3</sub>, 15 SiHR<sub>2</sub>, SiR<sub>2</sub>OH, where R, R<sup>13</sup> and R<sup>14</sup> is hydrogen, chlorine, bromine, alkyl group containing 1-12 carbon atoms, and aryl; and

7. The compound of the claim 1, wherein  $R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}$  and  $R^{12}$  can be the individually group consisting of a group of formula  $-L(CH_2)R^{15}$  where n is 0 to 12, R<sup>15</sup> is a hydrogen, hydroxy, amino, alkylamino, 20 arylamino, dialkylamino, -COR<sup>16</sup> or -COOR<sup>17</sup> where R<sup>16</sup> is a hydrogen, chlorine, COCl, alkyl group containing 1-12 carbon atoms, --NR<sub>2</sub>, -NHR or aryl and R<sup>17</sup> is a hydrogen,

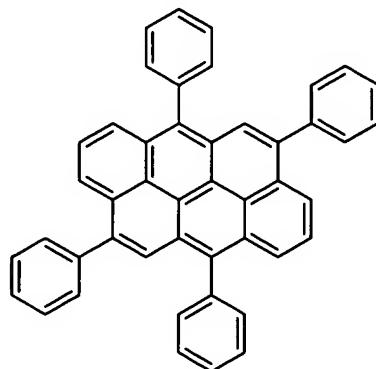
alkyl group containing 1-12 carbon atoms, aryl, COR, 2,4-dinitrophenyl, N-imido or –NR<sub>2</sub> and L is a direct bond or C=O.

8. The EL device according the claim 1, wherein said compound is:

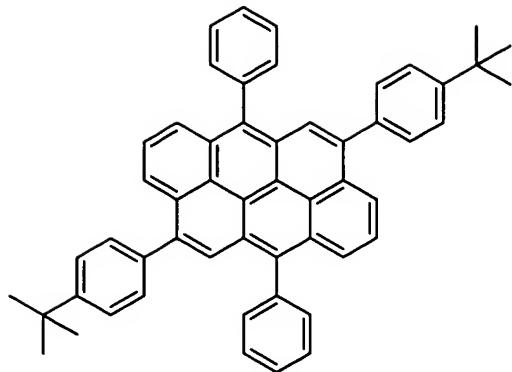


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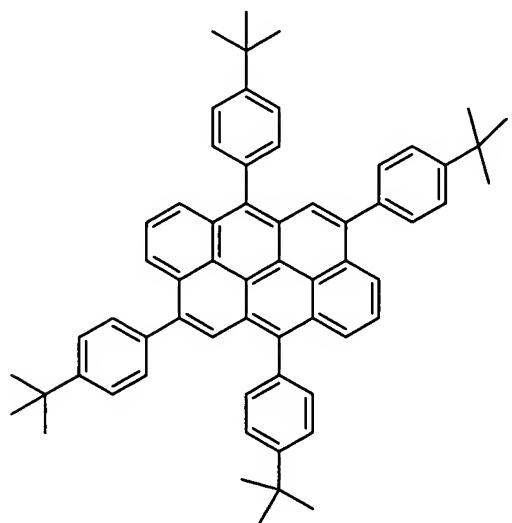
9. The EL device according the claim 1, wherein said compound is:



10 10. The EL device according the claim 1, wherein said compound is:



11. The EL device according the claim 1, wherein said compound is:



PARTS LIST

100	EL Device
102	Substrate
5	104 Anode
	106 Cathode
	108 Organic EL medium
	110 Hole-transport layer
	112 Electron-transport layer
10	114 External power source
	116 Conductor
	118 Conductor
	120 Holes
	122 Electrons
15	200 EL device
	202 Substrate
	204 Anode
	206 Cathode
	208 Organic EL medium
20	210 Hole-transport layer
	212 Luminescent layer
	214 Electron-transport layer
	300 EL device

- 302 Substrate
- 304 Anode
- 306 Cathode
- 308 Organic EL medium
- 5 310 Hole-injection layer
- 312 Hole-transport layer
- 314 Luminescent layer
- 316 Electron-transport layer
- 318 Electron-injection layer

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